



{In Archive} Fw: Question on impact of migration

Ray Leissner to: Scott Ellinger, Jose Torres, Philip Dellinger

01/26/2012 03:57 PM

From: Ray Leissner/R6/USEPA/US
To: Scott Ellinger/R6/USEPA/US@EPA, Jose Torres/R6/USEPA/US@EPA, Philip Dellinger/R6/USEPA/US@EPA
Archive: This message is being viewed in an archive.

Below Elise Striz of the NRC has provided the accession number to a GW modeling that appears to do for a site in Wyoming, what we would like to see for Goliad. The entire study is quite large but the part about the migration potential can be found at;

<http://www.nrc.gov/reading-rm/adams/users-guide.html>

entering the ML number below in the search field

then clicking on the second url

or,

you can just paste this in your url field

<http://www.nrc.gov/reading-rm/adams/users-guide.html>

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USEPA, Region 6

The FIRST STEP in protecting your ground water is to have your well tested.

----- Forwarded by Ray Leissner/R6/USEPA/US on 01/26/2012 03:49 PM -----

From: "Striz, Elise" <Elise.Striz@nrc.gov>
To: Ray Leissner/R6/USEPA/US@EPA
Date: 01/26/2012 02:36 PM
Subject: RE: Question on impact of migration

Hi Ray,

I am doing well, thanks. I hope you are well also and enjoying some rain.

I only have one report where a contaminant transport modeling effort was undertaken to evaluate contaminant transport from restored ISR wellfields to surrounding aquifers at an NRC licensed ISR. The site is the Irigaray ISR which is located in WY . The Irigaray ISR was restored and the restoration was approved by NRC. It is still part of the currently operating Willow Creek ISR, license SUA1341.

I tried to send the report to you, but it exceeded the limit. You however, can retrieve it from our ADAMs public document access site. The Accession Number is ML053270045. Please look it over and let me know if this is the type of information you were seeking. I can send you the complete restoration report for this site, but you may not need it if all you are interested in an example of contaminant transport modeling to demonstrate that the level of constituents left

after ISR restoration will not impact the surrounding aquifer.

Let me know,
Thanks,
Elise

From: Ray Leissner [mailto:Leissner.Ray@epamail.epa.gov]
Sent: Thursday, January 26, 2012 3:08 PM
To: Striz, Elise
Cc: Scott Ellinger; Philip Dellinger; Lisa Price
Subject: Question on impact of migration

Elise,

I hope this email finds you doing well. I have been asked to try and find out some information that the NRC may have. As you recall we are addressing two exemption applications that have water wells down gradient of the proposed exemptions. We are proposing that the applicants conduct some chem-fate modeling that would predict the concentration of residual contaminants at the exempt-nonexempt boundary when the restored plume makes contact. Our aim is to locate and review any studies that provide insight into the effectiveness of natural attenuation. Preferably I'm interested in any such studies that would provide insight into the attenuation one might expect on uranium, radium and other metals from a unconsolidated immature sandstone formation such as the Goliad aquifer in south central Texas.

From our last discussion, I understand the NRC is working on rules governing long term monitoring of ISL sites. Therefore I'm hoping you might have what I'm looking for. If you wish to discuss call me. Thanks.

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